

UNITED STATES PATENT OFFICE.

HENRY LOEWENBERG, OF NEW YORK, N. Y.

PROCESS FOR TRANSFERRING PRINTS, &c.

Specification forming part of Letters Patent No. 40,489, dated November 3, 1863.

To all whom it may concern:

Be it known that I, HENRY LOEWENBERG, of No. 400 Fourth street, in the city, county, and State of New York, have invented a certain new and useful Process for Printing, Transferring, and Protecting Designs on Paper and other Material; and I do hereby declare the following to be a full, clear, and exact description of the same.

This invention consists in the application to paper or other material of a solution to render it transparent, so that designs or characters printed or otherwise produced on one side of the paper may be distinctly visible from the other side, and by the application of an adhesive substance over the printed characters the latter can be transferred to paper, glass, wood, or any other desirable surface simply by gluing the paper down on said surface by means of the adhesive substance, when the design, together with the adhesive substance, will adhere to the surface on which said design is to be transferred, and the transparent paper on which it was first printed or produced may be removed or not, as preferred.

In order that others skilled in the art to which my invention appertains may be enabled to fully understand and use the same, I will proceed to describe the manner of carrying it into effect.

I employ a compound of resinous gum, camphor, beeswax, benzine, and spirits of turpentine, or analogous materials, in any suitable proportions, applied by brushes, revolving cylinders, immersion, or in any other way, to paper, linen, or other flexible material, to render it transparent. Upon paper or other material so prepared any suitable designs or characters may be drawn or printed in any color or colors, for which purpose non-reversed types, or engravings on metal, wood, or stone, or lithographic stones may be employed, the gums and wax preventing contact of the ink with the fibrous material. Any suitable adhesive substance is then applied to the printed side, and after drying the sheets are ready for use.

If it be desired to transfer the design or characters to another surface of paper, cloth, glass, wood, or other material, this may be effected by moistening the adhesive surface and applying with sufficient pressure to cause adhesion. The words, characters, or designs will thus be fixed upon the surface to which it is desired to transfer them, and effectually pro-

tected from exposure, and will be distinctly visible through the transparent paper or cloth, and, if desired, the transparent paper or cloth may be removed without removing the design or characters from the surface to which they were transferred.

By the preparation of the transparent paper previous to printing, and the application of a suitable adhesive material in sufficiently small quantity after printing, it may be rendered more difficult, after transferring in the manner described, to remove the engraving or characters with the transparent paper. If the said paper be removed, the characters or designs may either be made to remain upon the surface to which they have been transferred or be destroyed, according to the purpose for which they have been intended and prepared. The invention may thus be applied to the production of self-canceling postage or revenue stamps. It is also valuable in its application to bank-notes and other documents which are required to be preserved from defacement or injury, and also from the possibility of alteration. The ink being beneath the transparent paper is protected from injury or alteration.

By transferring onto the surface of any suitable woven fabric, great strength may be obtained.

I do not restrict myself to the use of any of the materials named, but propose to dispense with or change any of them as may be found desirable. Neither do I limit myself to the specific uses above named, as the invention may be applied to the production of transferable tracings for engravers' use, and to many other purposes not necessary to be specified.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

Printing or drawing designs or characters on paper or cloth rendered transparent in the manner described, and afterward covering the printed surface with an adhesive substance to adapt the design to be transferred to another surface by moistening the adhesive substance, as hereinbefore explained.

The above specification of my process for printing, transferring, and protecting designs on paper and other material signed this 30th day of September, 1863.

HENRY LOEWENBERG.

Witnesses:

GEO. ROBERTS,
OCTAVIUS KNIGHT.